**YEAR 11 BIOLOGY**

**UNIT 1: UNITY AND DIVERSITY**

**AREA OF STUDY 1: CELLS IN ACTION**

**JUST CHECKING YOU OUT!!**

**A QUICK TEST**

**CELLS**

1. Choose 3 organelles. State their function
2. What type(s) of cells contain your chosen each of your organelles (You may like to construct a table to illustrate your answer)
3. What sort of organisms are prokaryotes?

**ENZYMES**

1. Most reactions in the cell are carried out with the help of enzymes
   1. Why are enzymes so important?
   2. Using a series of labeled diagrams explain how enzymes function
   3. Name and explain 2 factors that affect the enzyme activity

**ENERGY PRODUCTION**

1. What does ATP stand for?
2. Write the simplified formula for cellular respiration (aerobic respiration)
3. Where in the cell does this occur?
4. What is fermentation ?
5. Where in the cell does fermentation occur?

**PHOTOSYNTHESIS**

1. Write the simplified equation for photosynthesis
2. Where in the plant cell does photosynthesis occur?